

Application No. 10/797,686
Response to Office Action

Customer No. 01933

Listing of Claims:

1. (Currently Amended) A crawler belt link grinding system comprising:

an abrasive plate for grinding a tread positioned so as to contact a wound crawler belt to grind treads of links of a 5 the crawler belt;

wherein the abrasive plate has a width that is larger than an outside width of the links and a length that is longer than one pitch of the links. Link, the abrasive plate being disposed to contact the tread with a crawler belt of a crawler structure wound.

10 2. (Currently Amended) The crawler belt link grinding system of claim 1, wherein the crawler belt is wound around an idler and sprocket positioned at ends of a track frame, and the abrasive plate is disposed above a the track frame.

3. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 1, wherein the crawler belt is wound around an idler and sprocket positioned at ends of a track frame, and the abrasive plate is disposed below a rear portion of a the 5 track frame and is supported by a support member added coupled to a bogie supporting a track roller.

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4. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 1, wherein the crawler belt is wound around an idler and sprocket positioned at ends of a track frame, and the abrasive plate is supported by a support member added coupled to a rear portion of a bottom side of a the track frame.

5. (Currently Amended) The crawler belt link grinding system of claim 2, wherein the abrasive plate is mounted can be moved to be movable away from a grinding position.

6. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 5, wherein a distance between the abrasive plate disposed has an and the crawler belt is adjustable setting position.

Claim 7 (Canceled).

8. (Currently Amended) A crawler structure comprising:

a track frame;

a sprocket disposed at one side of said track frame;

an idler disposed at another side of said track frame;

a track roller disposed under said track frame;

a carrier roller disposed on said track frame;

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an endless crawler belt wound between a the sprocket and an
the idler, of a said crawler vehicle belt including crawler belt
links, which have respective treads that are in rolling contact
with the track roller, the carrier roller and the idler during
travel; and

a crawler belt link grinding system for grinding a tread the
respective treads of a the crawler belt link links of the crawler
belt.

9. (Currently Amended) The crawler structure of claim 8,
wherein the crawler belt link grinding system is supported at a
the track frame and grinds the tread respective treads of the
crawler belt link links on at least one of a non-ground-contact
side and a ground-contact side of the crawler belt.

10. (Currently Amended) The crawler structure of claim 8,
wherein the crawler belt link grinding system comprises an
abrasive plate formed to have including a flat abrasive surface.

11. (Currently Amended) The crawler structure of claim 9,
wherein the crawler belt link grinding system comprises an
abrasive plate formed to have including a flat abrasive surface.

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12. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 3, wherein the abrasive plate is detachably mounted ~~can be detached or withdrawn from at~~ a grinding position.

13. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 12, wherein a distance between the abrasive plate ~~disposed has an and the crawler belt is~~ adjustable setting position.

14. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 4, wherein the abrasive plate is detachably mounted ~~can be detached or withdrawn from at~~ a grinding position.

15. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 14, wherein a distance between the abrasive plate ~~disposed has an and the crawler belt is~~ adjustable setting position.

16. (Currently Amended) The crawler belt link grinding system of claim 5, wherein the abrasive plate is detachable from ~~a~~ the grinding position.

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17. (Withdrawn - Currently Amended) The crawler belt link grinding system of claim 2 5, wherein the abrasive plate can be withdrawn from ~~a~~ the grinding position.

18. (New) The crawler belt link grinding system of claim 1, wherein the abrasive plate comprises a base frame and at least one abrasive portion provided on a surface of the base frame.

19. (New) The crawler belt link grinding system of claim 18, wherein each said abrasive portion comprises a plurality of alternating ridges and grooves extending along a direction crossing a traveling direction of the links.

20. (New) The crawler belt link grinding system of claim 18, wherein the at least one abrasive portion comprises a plurality of abrasive portions having spaces therebetween.

21. (New) The crawler structure of claim 8, wherein the crawler link grinding system comprises an abrasive plate including a base frame and at least one abrasive portion provided on a surface of the base frame.

22. (New) The crawler structure of claim 21, wherein each said abrasive portion comprises a plurality of alternating ridges

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and grooves extending along a direction crossing a traveling direction of the links.

23. (New) The crawler structure of claim 21, wherein the base frame has a width that is larger than an outside width of the links and has a length that is longer than one pitch of the links.

24. (New) The crawler structure of claim 21, wherein the at least one abrasive portion comprises a plurality of abrasive portions having spaces therebetween.